



# National Weather Service

## Storm Data and Unusual Weather Phenomena



May 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property Crops	Character of Storm
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### WISCONSIN, Southeast

#### Columbia County

Wyocena	10	1744CST			0	0		Thunderstorm Wind (EG56)
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#### Lafayette County

5 SW Belmont to 2.7 NE Belmont	10	1915CST 1929CST	7.8	200	0	1	200K	Tornado (F1)
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A tornado spun up 5.0 miles southwest of the village Belmont (Lafayette Co.), near the intersection of Pine Tree and Field Drive, and proceeded to track northeast to near Belmont before dissipating 2.7 miles northeast of Belmont (just southeast of the intersection of Cottage Inn Road and Bethel Grove Rd). Just east of Belmont, the tornado destroyed a farm's mobile home, injuring one of five people inside. In addition, a pole shed on this farm was damaged. On two other farms, this tornado inflicted minor to extensive damage on homes, barns, wind mills, and decks. Law enforcement officials video taped this tornado; estimated at the top end of F1 (about 110 mph).

#### Marquette County

Montello	10	1923CST			0	0		Hail(1.00)
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#### Iowa County

4.5 E Mineral Pt to 2.7 NNW Hollandale	10	1939CST 2001CST	8.6	200	0	0	300K	Tornado (F1)
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The same supercell that spun up a tornado near Belmont (Lafayette Co.), resulted in another tornado in Iowa County. The Iowa County tornado spun up at a location 4.5 miles east of Mineral Point, just southeast of the intersection of County DD and Ferrell Rd. It proceeded northeast to a location 2.7 miles north-northwest of Hollandale, or about 1 mile west of the intersection of Urness Rd and Long Valley Rd. Four barns or pole sheds sustained major damage, two homes had moderate damage, and considerable tree damage was noted.

#### Iowa County

Dodgeville to Ridgeway	10	1945CST			0	0		Hail(1.25)
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#### Green Lake County

1 E Princeton	10	1946CST			0	0		Hail(1.00)
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#### Jefferson County

Ft Atkinson	10	2030CST			0	0		Thunderstorm Wind (EG56)
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#### Dane County

Cross Plains	10	2042CST			0	0		Funnel Cloud
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#### Dane County

Cross Plains	10	2045CST			0	0		Thunderstorm Wind (EG55)
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#### Dane County

Dane	10	2045CST			0	0	10K	Lightning
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#### Dane County

5 NW De Forest	10	2048CST			0	0		Hail(0.75)
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#### Columbia County

5 SSE Arlington	10	2055CST			0	0		Hail(0.75)
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#### Dodge County

Juneau	10	2150CST			0	0		Thunderstorm Wind (MG56)
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#### Washington County

2 W West Bend	10	2215CST			0	0		Hail(0.88)
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Severe weather in the form of tornadoes, damaging straight-line winds up to about 56 knots (65 mph) which toppled large trees and power-lines, and large hail, affected parts of south-central and southeast Wisconsin on May 10, 2003. This was the first, organized severe weather episode in 2003 for this part of the state - a late start. The same supercell spawned a tornado in Lafayette County, and then a short time later, another tornado in Iowa County. Refer to the individual tornado events for details. This supercell



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### WISCONSIN, Southeast

maintained its mesocyclone circulation as it moved northeast through western Dane County to southeast Columbia County, and then across northern Dodge County. A funnel cloud was spotted near Cross Plains (Dane Co.), but there were no additional tornado sightings other than the events in the counties of Lafayette and Iowa. Synoptically, a line of thunderstorms moved northeast through southern Wisconsin, with a supercell forming on the left edge of the line over southeastern Grant County. This supercell then moved northeast. Lightning struck a home near Dane (Dane Co.) resulting in minor fire damage.

WIZ066-071

#### **Milwaukee - Racine**

<b>11</b>	<b>0800CST</b>	<b>0</b>	<b>0</b>	<b>30K</b>	<b>Strong Wind (MG47)</b>
	<b>1100CST</b>				

WIZ072

#### **Kenosha**

<b>11</b>	<b>0800CST</b>	<b>0</b>	<b>0</b>	<b>50K</b>	<b>High Wind (MG50)</b>
	<b>1100CST</b>				

High winds gusting from the west-southwest up to 50 knots (58 mph) at the Kenosha Coast Guard Station, resulted in downed trees, tree branches, and power-lines in around around the city of Kenosha. One vehicle in the city of Kenosha was damaged after a tree fell on it. Elsewhere across south-central and southeast Wisconsin, wind gusts were in the 35 to 47 knots (40 to 54 mph), resulting in scattered reports of small tree limbs breaking from trees. A peak gust of 47 knots (54 mph) was measured at Milwaukee's Mitchell Field (Milwaukee Co.). Altogether, about 6000 customers lost electrical power in the counties of Milwaukee, Racine, and Kenosha due to tree branches falling onto power-lines. The widespread, strong to high winds were related to a deep low pressure moving east-northeast away from Wisconsin.

#### **Rock County**

##### **Beloit**

<b>28</b>	<b>1320CST</b>	<b>0</b>	<b>0</b>	<b>Hail(0.75)</b>
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An isolated severe thunderstorm dumped large hail and heavy rains in Beloit (Rock Co.).

#### **Green Lake County**

##### **2 SE Princeton**

<b>30</b>	<b>1320CST</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
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#### **Dane County**

##### **6 N Mt Horeb**

<b>30</b>	<b>1605CST</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind (EG56)</b>
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#### **Dane County**

##### **2.7 N Mt Vernon to 3 WSW Verona**

<b>30</b>	<b>1625CST</b>	<b>3.1</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>Tornado (F0)</b>
	<b>1630CST</b>					

A very weak tornado spun up north of Mt. Vernon and moved east to the rural area southwest of Verona. Only minor vegetation damage was noted, leading to an estimated wind speed of about 43 knots (50 mph). It was video taped by a mobile severe weather spotter.

#### **Green County**

##### **1.9 NW Oakley to 5.2 E Oakley**

<b>30</b>	<b>1652CST</b>	<b>6</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>Tornado (F1)</b>
	<b>1704CST</b>					

A supercell spawned a rain-wrapped tornado that tracked southeast through a rural portion of Green County about 6 miles southwest and south of Brodhead. One home sustained minor damage to its siding and shutters, and minor damage was noted to a storage shed; otherwise, only tree damage was reported. It is estimated that winds speeds with this tornado were about 70 knots (80 mph). This tornado continued east-southeast out of Green County at a location 6.0 miles east of Oakley (where County Trunk T doglegs west in Green County) and into the southwest corner of Rock County.

#### **Rock County**

##### **Beloit**

<b>30</b>	<b>1700CST</b>	<b>0</b>	<b>0</b>	<b>Heavy Rain</b>
	<b>1900CST</b>			

#### **Rock County**

##### **2.3 SW Avon to 3.2 SE Avon**

<b>30</b>	<b>1704CST</b>	<b>4.1</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>Tornado (F1)</b>
	<b>1712CST</b>					

This tornado, which spun up in southeast Green County, tracked east-southeast into extreme southwest Rock County at a point 2.3 miles southwest of Avon, where Douglas Road intersects County Trunk T. In Rock County, this tornado blew over a small grain bin, blew a gravity bin off its foundation, flipped and twisted a large field sprinkler system, lightly damaged a home's siding and roof, and ripped up some yard fencing. It is estimated that maximum wind were about 78 to 86 knots (90 to 100 mph). It dissipated in the wooded bottom lands of the Sugar River southeast of Avon, about three-fourths of a mile north of the Illinois state border.



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### WISCONSIN, Southeast

#### Fond Du Lac County

4 W Eldorado

30

1720CST  
1820CST

0

0

Thunderstorm Wind (EG50)

Several clusters of thunderstorms moved east-southeast through south-central and southeast Wisconsin on May 30, 2003, resulting in scattered reports of tornadoes and damaging, straight-line downburst winds that toppled large trees and power-lines. One thunderstorm cell attained supercell status, and after moving east out of Iowa County, turned right and moved east-southeast through the area south of Madison. A very weak tornado was noted southwest of Verona, but thereafter, only rotating wall cloud reports were received. Another tornado spun up in the rural area southwest of Brodhead (Green Co.), and proceeded to move east-southeast into extreme southwest Rock County. The parent thunderstorm for this tornado eventually moved east across the city of Beloit and dumped 1.50 inches of heavy rain, resulting in urban flooding (water up to the floor board at one location) that led to a couple vehicle accidents. Detailed information about the Dane County and Green-Rock County tornado can be found in the individual tornado reports.